

**Calculation Package
for Data**

included in

**GNEP EIS
Section 4.6.10 Hanford Environmental Justice**

November 16, 2006

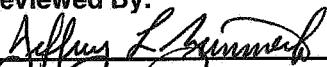
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Reviewed By:



Project Manager:

Date:





Supporting Information for Section 4.6.10 Environmental Justice (for the Hanford Site)

This discussion supports the identification of minority and low-income populations within 50 miles of the Hanford Site.

Minority and Low-Income Populations

Procedures for the determination of minority and low-income populations found in Section 4.6.10 of the Environmental Impact Statement are discussed in this section. Appendix D of the "Procedural Guidance for Preparing Environmental Assessments and Considering Environmental Issues" released by the U.S. Nuclear Regulatory Commission (NRC), Office of Nuclear Reactor Regulation, May 24, 2004, was used to identify minority and low-income populations for this Environmental Justice review.

Typically, the potential area impacted by environmental issues is within a 50-mile radius of the site (NRC 2004). TtNUS decided to determine the minority populations and low-income populations for all census block groups within 50 miles of the centroid of Hanford. The centroid was determined using ArcGIS® 9.1. The resulting coordinate (UTM NAD 83, Zone 11, meters) is N 5,158,207.0, E 307,612.1. A 50-mile radius was drawn from this coordinate. Block groups were used because the block group geographic area is small enough so as to not dilute a potential minority or low-income population within the larger general population (NRC 2004). U.S. Census Bureau Summary File 1 (USCB 2000a) containing race data and Summary File 3 containing low-income household poverty data (USCB 2000b) were obtained for block groups in Oregon and Washington. For each minority category (Black or African American, American Indian or Alaskan Native, Asian, Native Hawaiian or Other Pacific Islander, Other Races, and Two or More Races), the percentage of the total population was calculated for each block group. The Aggregate category was also analyzed. The Aggregate of the minorities represents the total population of the minority races (Black or African American, American Indian or Alaskan Native, Asian, Native Hawaiian or Other Pacific Islander, Other Race, and Two or More Races). The Hispanic Ethnicity category is NOT included in the aggregate of minorities because the U.S. Census Bureau treats race and Hispanic origin (ethnicity) as two separate and distinct concepts. People who are Hispanic may be of any race. People in each race group may be either Hispanic or Not Hispanic. Each person has two attributes, their race (or races) and whether or not they are Hispanic. Because each person is counted in a race category and in either the Hispanic or not Hispanic category, including the Hispanic ethnicity in the "aggregate race" category would double count a number of individuals. As such, the race categories and the Hispanic Ethnicity categories are considered separately. The percentage of low-income households was also calculated for each block group.

The minority demographic data and low-income data were then attributed to block group spatial data in ArcGIS® 9.1 to become a shapefile coverage containing demographic and low-income data for every block group. This allowed the demographic and low-income data to be queried spatially and by attribute.

In order to identify whether a minority or low-income population exists, an area larger than and that encompasses the entire area of potential impact must be identified for comparative analysis (NRC 2004). This area is called a geographic area. TtNUS defines the geographic area to be the states of Oregon and Washington.

State percentages for race and low income were obtained from the USCB (USCB 2000c, 2000d). Census data for Oregon characterizes 1.6 percent of the population as Black or African American; 1.3 percent American Indian or Alaskan Native; 3.0 percent Asian; 0.2 percent Native Hawaiian or other Pacific Islander; 4.2 percent some other race; 3.1 percent multi-racial (two or more races); 13.4 percent aggregate of minority races; and 8.0 percent Hispanic ethnicity (USCB, 2000c).

Census data for Washington characterizes 3.2 percent of the population as Black or African American; 1.6 percent American Indian or Alaskan Native; 5.5 percent Asian; 0.4 percent Native Hawaiian or other Pacific Islander; 3.9 percent some other race; 3.6 percent multi-racial (two or more races); 18.2 percent aggregate of minority races; and 7.5 percent Hispanic ethnicity (USCB, 2000c).

For Oregon, 10.8 percent of households are low-income. For Washington, 9.8 percent of households are low-income (USCB 2000d).

A minority population is considered to be present if: 1) the minority population in the census block group exceeds 50 percent or 2) the minority population percentage of the block group is significantly greater (typically at least 20 percentage points) than the minority population percentage in the geographic area (NRC 2004). A low-income population is considered to be present if: 1) the low-income population in the census block group exceeds 50 percent or 2) the percentage of households below the poverty level in an environmental impact area is significantly greater (typically at least 20 percentage points) than the low-income population percentage in the geographic area (NRC 2004). Queries were performed on the block groups within 50 miles of Hanford. Any block group falling wholly or partially within the 50-mile radius was identified if that block group contained a "minority population."

Table 1 presents minority and low-income data for all block groups within 50 miles of Hanford. For each minority category, Table 1 identifies for each block group, whether the minority or low-income percentage exceeds the state percentage by at least 20%, or exceeds 50%. For both Oregon and Washington, exceeding the state percentage by at least 20% is the limiting criterion in all cases. Table 2 presents a summary, by county, of block groups containing significant minority or low-income populations. A total of 359 block groups fall within 50 miles of Hanford (Table 2). Minority populations exist within 50 miles of the Hanford site for the American Indian or Alaskan Native, Some Other Race, Aggregate of Races, Hispanic Ethnicity, and Low-Income categories. Figures 4.6.10-1 through 4.4.10-5 (from Section 4.6.10 of the EIS) are shown below to identify locations of the minority and low-income block groups.

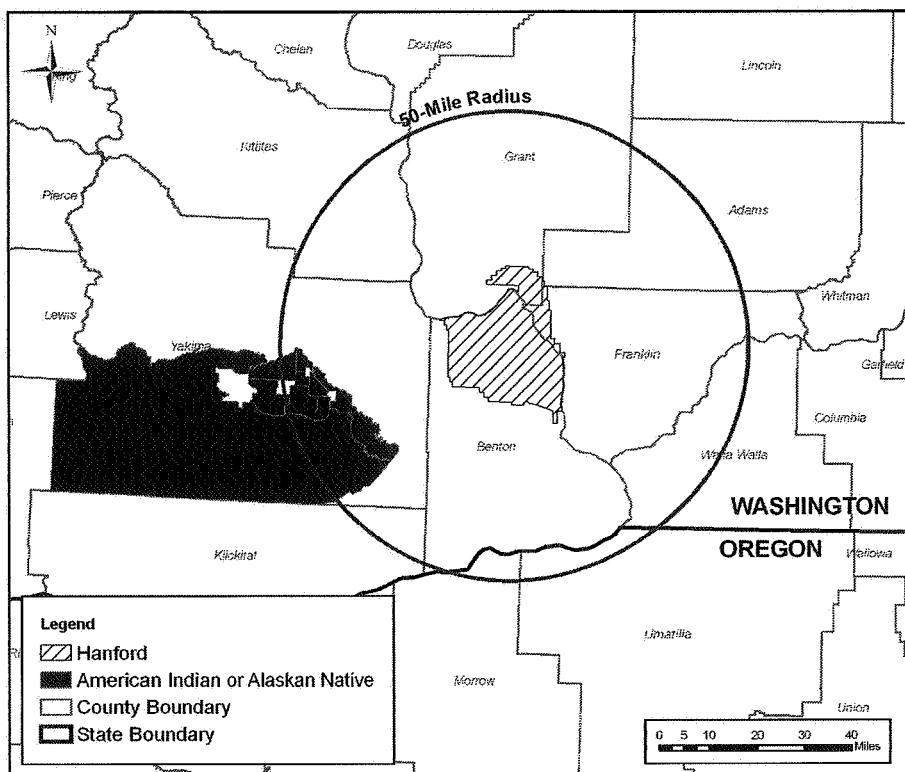


Figure 4.6.10-1. American Indian or Alaskan Native Minority Population.

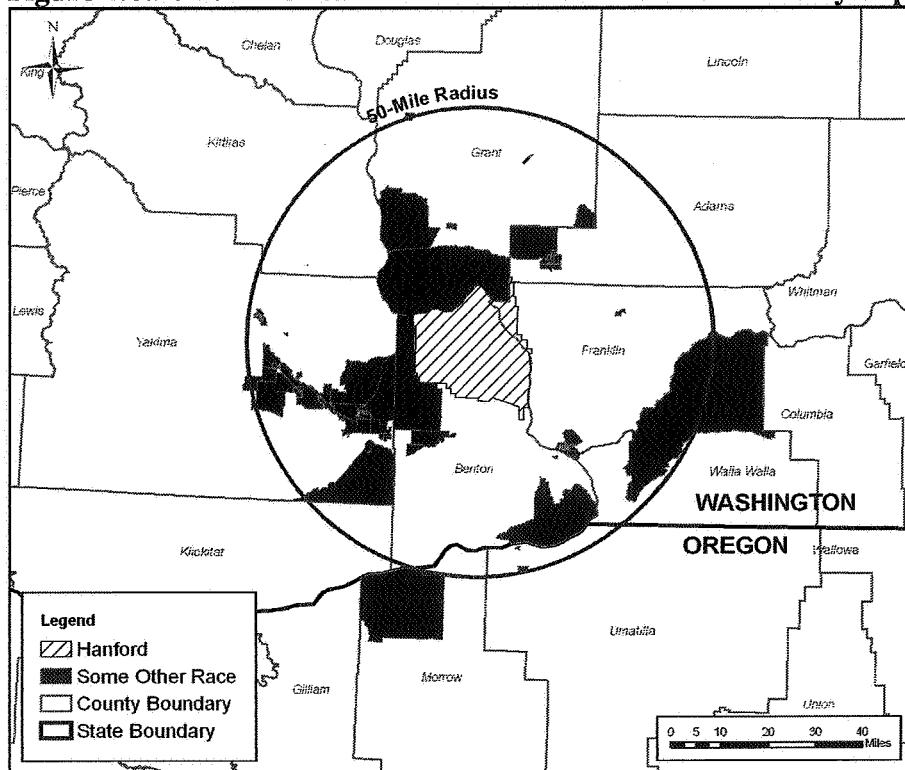


Figure 4.6.10-2. Some Other Race Minority Population.

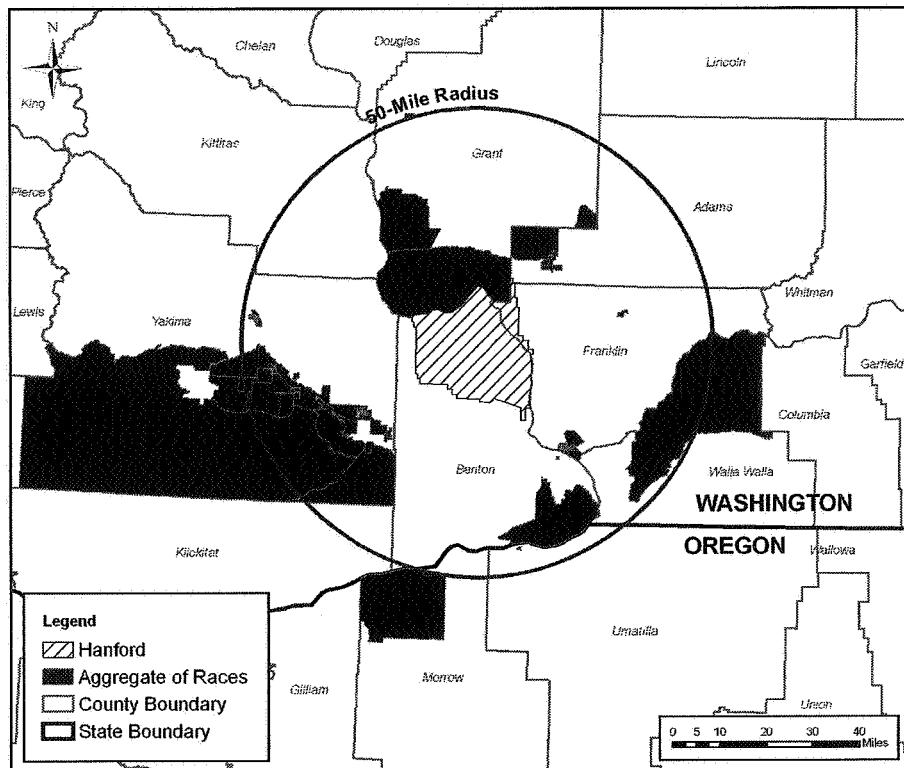


Figure 4.6.10-3. Aggregate of Minority Population.

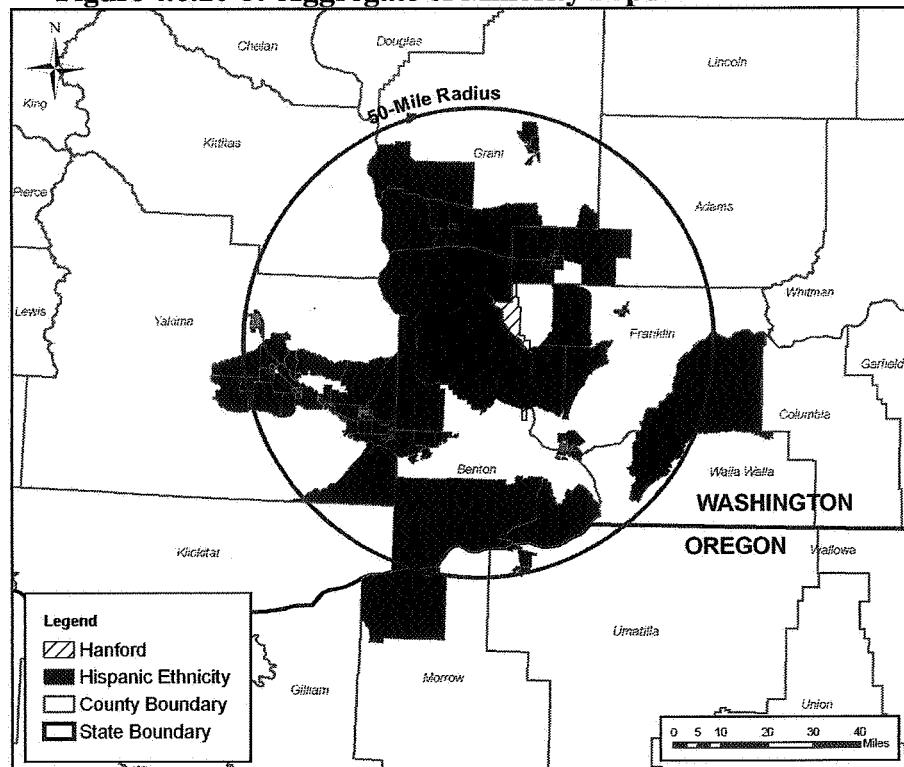


Figure 4.6.10-4 Hispanic Ethnicity Population.

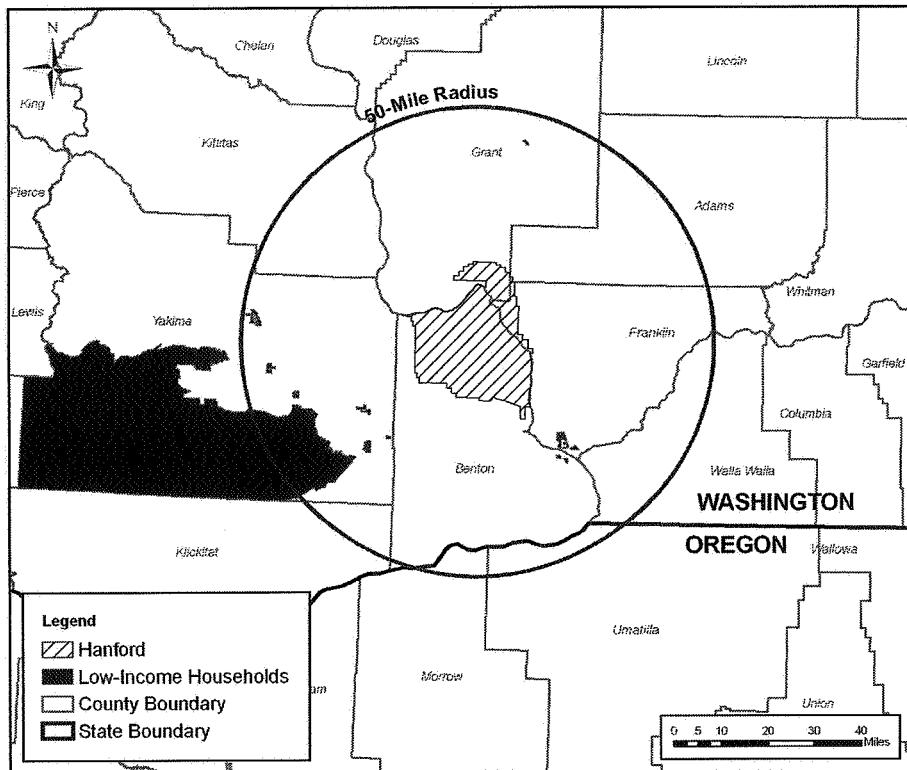


Figure 4.6.10-5. Low-Income Households.

References:

NRC (U.S. Nuclear Regulatory Commission). 2004. *Procedural Guidance for Preparing Environmental Assessments and Considering Environmental Issues*. Office of Nuclear Reactor Regulation. May 24.

USCB (U.S. Census Bureau). 2000a. *Summary File 1: Census 2000*. Available at <http://www.census.gov/Press-Release/www/2001/sumfile1.html>. Accessed November 7, 2006.

USCB (U.S. Census Bureau). 2000b. *Summary File 3: Census 2000*. Available at <http://www.census.gov/Press-Release/www/2002/sumfile3.html>. Accessed November 7, 2006.

USCB (U.S. Census Bureau). 2000c. *Summary File 1 (race) data for Oregon and Washington*. Available at <http://www.factfinder.com>.

USCB (U.S. Census Bureau). 2000d. *Summary File 3 (low-income) data for Oregon and Washington*. Available at <http://www.factfinder.com>.

0.98	0	23	2.50	0	8	0.87	0	0.00	0	215	23.37	0	31	3.37	0	286	31.09	0	265	
0.00	0	19	1.26	0	12	0.80	0	2	0.13	0	632	41.88	1	46	3.05	0	711	47.12	1	873
0.15	0	30	2.24	0	1	0.07	0	1	0.07	0	453	33.76	1	19	1.42	0	506	37.70	1	525
0.00	0	3	0.43	0	3	0.43	0	0	0.00	0	28	4.03	0	14	2.01	0	48	6.91	0	27
0.30	0	6	0.91	0	3	0.45	0	0	0.00	0	6	0.91	0	14	2.12	0	31	4.70	0	17
7.58	0	65	2.95	0	24	1.09	0	1	0.05	0	181	8.22	0	19	0.86	0	457	20.75	0	209
6.06	0	26	1.42	0	11	0.60	0	2	0.11	0	271	14.80	0	25	1.37	0	446	24.36	0	363
1.38	0	17	1.24	0	3	0.22	0	0	0.00	0	441	32.05	1	45	3.27	0	525	38.15	1	589
0.47	0	4	0.38	0	3	0.28	0	2	0.19	0	234	21.99	0	24	2.26	0	272	25.56	0	332
0.04	0	10	0.43	0	8	0.34	0	1	0.04	0	229	9.81	0	48	2.06	0	297	12.72	0	338
0.33	0	17	1.40	0	8	0.66	0	1	0.08	0	231	19.03	0	16	1.32	0	277	22.82	0	363
0.63	0	11	1.38	0	2	0.25	0	1	0.13	0	133	16.73	0	10	1.26	0	162	20.38	0	200
0.20	0	11	0.72	0	6	0.39	0	0	0.00	0	151	9.90	0	20	1.31	0	191	12.52	0	195
0.28	0	0	0.00	0	3	0.42	0	2	0.28	0	50	6.98	0	16	2.23	0	73	10.20	0	87
1.61	0	8	0.43	0	23	1.23	0	0	0.00	0	382	20.49	0	95	5.10	0	538	28.86	0	614
0.98	0	11	1.20	0	8	0.87	0	1	0.11	0	90	9.79	0	12	1.31	0	131	14.25	0	173
2.25	0	11	1.46	0	6	0.79	0	0	0.00	0	136	18.01	0	16	2.12	0	186	24.64	0	217
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0.00	0	20	1.14	0	21	1.19	0	2	0.11	0	437	24.80	1	30	1.70	0	510	28.94	0	647
0.62	0	19	1.32	0	68	4.72	0	1	0.07	0	345	23.94	0	46	3.19	0	488	33.87	1	440
0.71	0	6	0.85	0	10	1.41	0	0	0.00	0	111	15.66	0	14	1.97	0	146	20.59	0	229
0.67	0	5	0.48	0	2	0.19	0	0	0.00	0	56	5.36	0	16	1.53	0	86	8.23	0	122
0.12	0	7	0.85	0	2	0.24	0	0	0.00	0	56	6.80	0	6	0.73	0	72	8.74	0	68
0.00	0	4	0.52	0	3	0.39	0	0	0.00	0	9	1.16	0	5	0.65	0	21	2.72	0	28
0.00	0	5	0.90	0	0	0.00	0	0	0.00	0	8	1.43	0	7	1.25	0	20	3.58	0	20
0.00	0	3	0.40	0	2	0.27	0	0	0.00	0	42	5.59	0	13	1.73	0	60	7.99	0	69
0.34	0	1	0.17	0	3	0.51	0	1	0.17	0	75	12.80	0	19	3.24	0	101	17.24	0	104
0.00	0	0	0.00	0	1	0.20	0	0	0.00	0	98	19.25	0	14	2.75	0	113	22.20	0	175
0.00	0	1	0.16	0	0	0.00	0	0	0.00	0	99	15.64	0	33	5.21	0	133	21.01	0	166
0.40	0	17	1.37	0	8	0.65	0	0	0.00	0	617	49.80	1	31	2.50	0	678	54.72	1	818
0.00	0	7	0.86	0	4	0.49	0	0	0.00	0	174	21.30	0	18	2.20	0	203	24.85	0	342
0.08	0	2	0.16	0	7	0.57	0	0	0.00	0	590	47.89	1	39	3.17	0	639	51.87	1	1042
0.07	0	0	0.00	0	0	0.00	0	0	0.00	0	834	57.40	1	24	1.65	0	859	59.12	1	1000
0.18	0	24	2.13	0	9	0.80	0	0	0.00	0	356	31.64	1	60	5.33	0	451	40.09	1	640
0.87	0	9	0.60	0	17	1.13	0	0	0.00	0	632	42.13	1	63	4.20	0	734	48.93	1	1008
0.28	0	15	1.05	0	16	1.12	0	0	0.00	0	422	29.45	1	32	2.23	0	489	34.12	0	704
0.59	0	14	0.68	0	19	0.93	0	5	0.24	0	1071	52.37	1	61	2.98	0	1182	57.80	1	1575
0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	
1.06	0	20	0.93	0	183	8.46	0	0	0.00	0	8	0.37	0	33	1.53	0	267	12.35	0	59
0.40	0	13	0.53	0	98	3.96	0	0	0.00	0	21	0.85	0	65	2.63	0	207	8.37	0	53
0.30	0	7	1.07	0	70	10.65	0	0	0.00	0	5	0.76	0	12	1.83	0	96	14.61	0	22
1.31	0	16	0.84	0	92	4.82	0	0	0.00	0	44	2.31	0	41	2.15	0	218	11.43	0	78
0.41	0	9	0.93	0	37	3.82	0	0	0.00	0	6	0.62	0	14	1.45	0	70	7.23	0	29
0.94	0	0	0.00	0	38	11.88	0	0	0.00	0	2	0.63	0	7	2.19	0	50	15.63	0	9
2.92	0	6	0.44	0	61	4.46	0	3	0.22	0	28	2.05	0	28	2.05	0	166	12.13	0	53
1.46	0	5	0.81	0	34	5.53	0	1	0.16	0	5	0.81	0	8	1.30	0	62	10.08	0	81
0.87	0	16	0.87	0	73	3.96	0	2	0.11	0	53	2.87	0	52	2.82	0	212	11.50	0	132
2.39	0	16	0.87	0	134	7.29	0	0	0.00	0	69	3.75	0	81	4.41	0	344	18.72	0	178
0.51	0	18	1.14	0	22	1.39	0	0	0.00	0	18	1.14	0	38	2.41	0	104	6.59	0	68
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1.36	0	21	1.78	0	19	1.61	0	4	0.34	0	37	3.14	0	22	1.87	0	119	10.11	0	58
0.96	0	2	0.48	0	22	5.29	0	0	0.00	0	10	2.40	0	19	4.57	0	57	13.70	0	19
1.48	0	25	1.19	0	29	1.38	0	2	0.10	0	47	2.24	0	41	1.95	0	175	8.34	0	115

1.92	0	7	0.54	0	12	0.92	0	0	0.00	0	9	0.69	0	39	3.00	0	92	7.08	0	52
3.05	0	4	0.33	0	31	2.56	0	12	0.99	0	31	2.56	0	52	4.29	0	167	13.77	0	92
2.47	0	8	0.79	0	31	3.06	0	0	0.00	0	34	3.35	0	19	1.87	0	117	11.54	0	72
0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0
0.00	0	0	0.00	0	3	3.03	0	0	0.00	0	2	2.02	0	0	0.00	0	5	5.05	0	2
0.61	0	28	0.50	0	119	2.12	0	1	0.02	0	117	2.08	0	116	2.07	0	415	7.39	0	268
0.48	0	16	0.76	0	14	0.67	0	2	0.10	0	36	1.71	0	28	1.33	0	106	5.05	0	111
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0.50	0	7	0.70	0	20	2.01	0	0	0.00	0	15	1.51	0	16	1.61	0	63	6.33	0	44
0.00	0	7	0.43	0	29	1.78	0	0	0.00	0	18	1.10	0	30	1.84	0	84	5.14	0	68
0.63	0	1	0.10	0	16	1.67	0	0	0.00	0	10	1.04	0	15	1.57	0	48	5.02	0	31
0.30	0	3	0.30	0	19	1.92	0	0	0.00	0	5	0.51	0	22	2.22	0	52	5.25	0	17
0.81	0	5	0.40	0	36	2.90	0	1	0.08	0	8	0.65	0	10	0.81	0	70	5.65	0	43
0.64	0	2	0.13	0	32	2.03	0	3	0.19	0	11	0.70	0	45	2.86	0	103	6.55	0	51
0.33	0	21	0.58	0	26	0.72	0	2	0.06	0	89	2.47	0	64	1.78	0	214	5.94	0	165
0.70	0	2	0.35	0	7	1.22	0	0	0.00	0	6	1.05	0	12	2.09	0	31	5.40	0	32
1.79	0	3	0.77	0	0	0.00	0	0	0.00	0	12	3.06	0	8	2.04	0	30	7.65	0	37
1.33	0	10	0.43	0	95	4.07	0	0	0.00	0	18	0.77	0	39	1.67	0	193	8.26	0	106
0.66	0	5	0.37	0	104	7.61	0	0	0.00	0	6	0.44	0	22	1.61	0	146	10.68	0	27
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1.04	0	16	2.37	0	36	5.33	0	0	0.00	0	48	7.10	0	16	2.37	0	123	18.20	0	71
1.16	0	53	1.09	0	166	3.43	0	4	0.08	0	165	3.41	0	117	2.42	0	561	11.59	0	309
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0.49	0	5	0.62	0	6	0.74	0	0	0.00	0	25	3.08	0	19	2.34	0	59	7.27	0	58
0.14	0	1	0.14	0	3	0.43	0	4	0.57	0	56	8.02	0	14	2.01	0	79	11.32	0	80
1.20	0	1	0.24	0	0	0.00	0	1	0.24	0	8	1.93	0	3	0.72	0	18	4.34	0	13
1.65	0	1	0.18	0	3	0.55	0	1	0.18	0	8	1.47	0	2	0.37	0	24	4.40	0	32
2.17	0	13	1.41	0	12	1.30	0	0	0.00	0	110	11.93	0	29	3.15	0	184	19.96	0	190
1.26	0	9	1.03	0	7	0.80	0	4	0.46	0	75	8.58	0	20	2.29	0	126	14.42	0	120
1.74	0	8	0.56	0	36	2.50	0	1	0.07	0	137	9.52	0	59	4.10	0	266	18.49	0	205
0.00	0	4	0.71	0	5	0.89	0	1	0.18	0	27	4.81	0	26	4.63	0	63	11.23	0	56
1.13	0	7	0.79	0	26	2.93	0	1	0.11	0	36	4.06	0	41	4.63	0	121	13.66	0	67
1.39	0	8	0.56	0	48	3.33	0	0	0.00	0	195	13.54	0	43	2.99	0	314	21.81	0	353
0.73	0	16	1.06	0	25	1.66	0	1	0.07	0	54	3.59	0	31	2.06	0	138	9.16	0	115
1.22	0	1	0.24	0	8	1.95	0	0	0.00	0	12	2.93	0	8	1.95	0	34	8.29	0	16
1.46	0	11	0.77	0	41	2.85	0	3	0.21	0	118	8.21	0	47	3.27	0	241	16.77	0	163
0.33	0	5	0.83	0	12	1.98	0	0	0.00	0	22	3.63	0	10	1.65	0	51	8.42	0	34
0.39	0	7	0.92	0	13	1.70	0	0	0.00	0	19	2.48	0	30	3.92	0	72	9.41	0	36
0.87	0	3	0.43	0	14	2.03	0	0	0.00	0	57	8.26	0	27	3.91	0	107	15.51	0	108
0.00	0	11	1.61	0	14	2.05	0	0	0.00	0	93	13.60	0	41	5.99	0	159	23.25	0	124
0.87	0	12	1.04	0	50	4.33	0	0	0.00	0	64	5.55	0	70	6.07	0	206	17.85	0	128
3.11	0	6	0.56	0	25	2.35	0	0	0.00	0	120	11.30	0	34	3.20	0	218	20.53	0	206
3.16	0	10	1.43	0	9	1.29	0	0	0.00	0	52	7.46	0	38	5.45	0	131	18.79	0	113
0.80	0	12	1.06	0	6	0.53	0	0	0.00	0	105	9.31	0	38	3.37	0	170	15.07	0	209
0.00	0	7	2.63	0	1	0.38	0	0	0.00	0	16	6.02	0	3	1.13	0	27	10.15	0	18
1.06	0	12	0.91	0	7	0.53	0	1	0.08	0	185	14.03	0	53	4.02	0	272	20.62	0	281
0.82	0	23	1.88	0	27	2.20	0	1	0.08	0	70	5.71	0	32	2.61	0	163	13.30	0	149
1.20	0	4	0.34	0	13	1.12	0	4	0.34	0	32	2.75	0	11	0.95	0	78	6.71	0	69
0.00	0	5	0.88	0	6	1.06	0	0	0.00	0	30	5.28	0	19	3.35	0	60	10.56	0	54
1.54	0	10	0.91	0	28	2.54	0	0	0.00	0	40	3.63	0	31	2.82	0	126	11.44	0	68
1.58	0	5	0.49	0	22	2.17	0	1	0.10	0	71	7.01	0	56	5.53	0	171	16.88	0	158
0.58	0	12	1.39	0	13	1.50	0	1	0.12	0	70	8.10	0	27	3.13	0	128	14.81	0	118

0.69	0	12	0.92	0	31	2.38	0	1	0.08	0	276	21.15	0	69	5.29	0	398	30.50	0	424
1.41	0	7	0.76	0	14	1.51	0	2	0.22	0	98	10.59	0	45	4.86	0	179	19.35	0	168
1.41	0	26	1.75	0	22	1.48	0	5	0.34	0	291	19.57	0	59	3.97	0	424	28.51	0	478
0.00	0	16	1.49	0	17	1.59	0	0	0.00	0	231	21.57	0	31	2.89	0	295	27.54	0	299
0.00	0	1	1.16	0	0	0.00	0	0	0.00	0	14	16.28	0	0	0.00	0	15	17.44	0	10
2.15	0	9	0.65	0	47	3.37	0	0	0.00	0	101	7.25	0	43	3.08	0	230	16.50	0	170
0.51	0	13	1.32	0	11	1.12	0	1	0.10	0	44	4.46	0	30	3.04	0	104	10.55	0	101
1.12	0	13	1.21	0	5	0.47	0	5	0.47	0	123	11.44	0	36	3.35	0	194	18.05	0	208
0.27	0	6	0.82	0	21	2.87	0	0	0.00	0	0	0.00	0	9	1.23	0	38	5.19	0	30
1.55	0	2	0.26	0	11	1.42	0	3	0.39	0	20	2.59	0	17	2.20	0	65	8.41	0	56
0.00	0	14	1.18	0	1	0.08	0	3	0.25	0	59	4.98	0	29	2.45	0	106	8.95	0	118
0.00	0	16	1.55	0	4	0.39	0	0	0.00	0	16	1.55	0	20	1.94	0	56	5.43	0	37
0.06	0	17	0.94	0	7	0.39	0	1	0.06	0	97	5.37	0	41	2.27	0	164	9.07	0	205
0.09	0	10	0.90	0	2	0.18	0	3	0.27	0	106	9.53	0	23	2.07	0	145	13.04	0	151
0.07	0	11	0.80	0	1	0.07	0	0	0.00	0	36	2.63	0	31	2.26	0	80	5.84	0	97
0.87	0	5	0.54	0	11	1.20	0	0	0.00	0	30	3.26	0	25	2.72	0	79	8.60	0	73
1.05	0	3	0.35	0	8	0.94	0	0	0.00	0	10	1.17	0	9	1.05	0	39	4.57	0	49
0.29	0	4	0.19	0	60	2.87	0	3	0.14	0	9	0.43	0	27	1.29	0	109	5.22	0	47
1.36	0	6	0.45	0	31	2.33	0	1	0.08	0	33	2.48	0	34	2.56	0	123	9.26	0	52
0.40	0	17	1.69	0	20	1.99	0	1	0.10	0	11	1.09	0	18	1.79	0	71	7.06	0	33
0.60	0	23	1.26	0	36	1.98	0	2	0.11	0	83	4.56	0	49	2.69	0	204	11.20	0	177
0.00	0	3	0.47	0	2	0.31	0	0	0.00	0	47	7.34	0	15	2.34	0	67	10.47	0	70
0.00	0	11	1.51	0	1	0.14	0	5	0.69	0	155	21.32	0	10	1.38	0	182	25.03	0	259
0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	40	38.83	1	10	9.71	0	50	48.54	1	60
0.17	0	10	0.55	0	10	0.55	0	18	1.00	0	462	25.54	1	21	1.16	0	524	28.97	0	684
1.82	0	3	0.30	0	0	0.00	0	0	0.00	0	164	16.57	0	24	2.42	0	209	21.11	0	316
0.00	0	9	1.48	0	5	0.82	0	0	0.00	0	39	6.40	0	9	1.48	0	62	10.18	0	129
0.40	0	7	0.56	0	19	1.51	0	0	0.00	0	62	4.93	0	24	1.91	0	117	9.30	0	190
0.23	0	16	1.23	0	12	0.92	0	4	0.31	0	207	15.87	0	50	3.83	0	292	22.39	0	399
0.00	0	6	0.80	0	2	0.27	0	0	0.00	0	243	32.57	1	20	2.68	0	271	36.33	0	400
0.23	0	6	0.28	0	7	0.32	0	0	0.00	0	624	28.68	1	80	3.68	0	722	33.18	0	931
0.05	0	18	0.82	0	9	0.41	0	16	0.73	0	497	22.56	0	56	2.54	0	597	27.10	0	936
0.26	0	9	1.15	0	4	0.51	0	0	0.00	0	94	12.02	0	12	1.53	0	121	15.47	0	131
0.13	0	10	0.65	0	2	0.13	0	0	0.00	0	142	9.28	0	35	2.29	0	191	12.48	0	216
0.09	0	21	1.94	0	13	1.20	0	1	0.09	0	116	10.74	0	28	2.59	0	180	16.67	0	247
0.32	0	11	1.18	0	5	0.53	0	0	0.00	0	98	10.48	0	42	4.49	0	159	17.01	0	167
0.15	0	12	0.62	0	11	0.56	0	0	0.00	0	137	7.03	0	38	1.95	0	201	10.31	0	330
0.00	0	0	0.00	0	2	5.56	0	0	0.00	0	0	0.00	0	0	0.00	0	2	5.56	0	11
3.95	0	2	0.33	0	12	1.97	0	0	0.00	0	250	41.12	1	26	4.28	0	314	51.64	1	402
2.02	0	3	0.87	0	0	0.00	0	2	0.58	0	241	69.65	1	12	3.47	0	265	76.59	1	309
0.94	0	11	0.74	0	10	0.67	0	7	0.47	0	855	57.65	1	39	2.63	0	936	63.12	1	1218
2.40	0	18	0.94	0	27	1.41	0	6	0.31	0	1036	53.96	1	66	3.44	0	1199	62.45	1	1494
3.08	0	9	0.49	0	6	0.32	0	0	0.00	0	740	40.04	1	84	4.55	0	896	48.48	1	1218
1.54	0	24	1.16	0	15	0.72	0	0	0.00	0	974	46.99	1	98	4.73	0	1143	55.14	1	1522
0.00	0	0	0.00	0	2	1.64	0	0	0.00	0	27	22.13	0	0	0.00	0	29	23.77	0	57
1.20	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	1	0.60	0	3	1.80	0	1
2.93	0	25	0.86	0	35	1.21	0	1	0.03	0	1464	50.50	1	129	4.45	0	1739	59.99	1	2101

0.39	0	4	0.39	0	13	1.26	0	1	0.10	0	363	35.17	1	17	1.65	0	402	38.95	1	558
3.13	0	10	0.58	2	0.12	0.12	0	13	0.75	0	793	45.92	1	56	3.24	0	928	53.73	1	1246
1.61	0	2	0.23	0	7	0.81	0	1	0.12	0	59	6.80	0	24	2.76	0	107	12.33	0	88
0.00	0	0	0.00	0	3	0.99	0	0	0.00	0	0	0.00	0	1	0.33	0	4	1.32	0	4
0.43	0	9	1.28	0	8	1.14	0	0	0.00	0	29	4.13	0	15	2.14	0	64	9.12	0	48
0.41	0	4	0.55	0	9	1.23	0	0	0.00	0	17	2.32	0	22	3.00	0	55	7.50	0	40
2.82	0	14	0.84	0	13	0.78	0	5	0.30	0	264	15.85	0	66	3.96	0	409	24.55	0	443
2.15	0	5	0.57	0	18	2.04	0	1	0.11	0	45	5.10	0	30	3.40	0	118	13.36	0	112
1.13	0	2	0.32	0	9	1.45	0	0	0.00	0	31	5.00	0	24	3.87	0	73	11.77	0	82
1.66	0	8	1.11	0	14	1.94	0	1	0.14	0	38	5.26	0	10	1.38	0	83	11.48	0	70
2.65	0	10	0.98	0	25	2.45	0	0	0.00	0	51	5.00	0	43	4.22	0	156	15.29	0	178
2.90	0	15	1.21	0	42	3.39	0	1	0.08	0	163	13.15	0	76	6.13	0	333	26.85	0	246
0.00	0	1	0.13	0	5	0.67	0	4	0.54	0	129	17.27	0	13	1.74	0	152	20.35	0	221
0.52	0	21	0.84	0	11	0.44	0	1	0.04	0	428	17.20	0	56	2.25	0	530	21.30	0	826
0.43	0	7	0.60	0	2	0.17	0	0	0.00	0	164	13.97	0	12	1.02	0	190	16.18	0	280
1.50	0	6	0.36	0	45	2.70	0	1	0.06	0	142	8.53	0	33	1.98	0	252	15.14	0	279
0.96	0	11	0.81	0	73	5.39	0	0	0.00	0	112	8.27	0	51	3.76	0	260	19.19	0	212
2.70	0	0	0.00	0	4	2.70	0	0	0.00	0	17	11.49	0	3	2.03	0	28	18.92	0	33
0.42	0	2	0.42	0	1	0.21	0	0	0.00	0	29	6.09	0	8	1.68	0	42	8.82	0	40
0.44	0	2	0.22	0	3	0.33	0	0	0.00	0	85	9.37	0	20	2.21	0	114	12.57	0	207
0.25	0	16	0.99	0	109	6.75	0	0	0.00	0	445	27.55	1	127	7.86	0	701	43.41	1	837
8.48	0	17	1.29	0	20	1.52	0	1	0.08	0	191	14.47	0	46	3.48	0	387	29.32	0	389
0.31	0	0	0.00	0	8	1.24	0	2	0.31	0	43	6.69	0	23	3.58	0	78	12.13	0	142
0.16	0	13	0.52	0	13	0.52	0	1	0.04	0	494	19.65	0	327	13.01	0	852	33.89	0	1404
0.00	0	1	0.14	0	7	0.97	0	0	0.00	0	65	9.05	0	30	4.18	0	103	14.35	0	160
0.81	0	8	0.81	0	14	1.42	0	0	0.00	0	32	3.25	0	31	3.15	0	93	9.45	0	69
0.66	0	16	1.17	0	6	0.44	0	0	0.00	0	89	6.53	0	52	3.82	0	172	12.62	0	132
0.76	0	31	1.31	0	4	0.17	0	1	0.04	0	104	4.39	0	97	4.09	0	255	10.76	0	231
0.27	0	11	0.75	0	10	0.68	0	8	0.54	0	215	14.65	0	35	2.38	0	283	19.28	0	393
0.29	0	9	0.65	0	15	1.09	0	4	0.29	0	178	12.91	0	50	3.63	0	260	18.85	0	372
0.25	0	36	1.49	0	3	0.12	0	3	0.12	0	829	34.38	1	77	3.19	0	954	39.57	1	1899
0.21	0	10	0.72	0	7	0.50	0	0	0.00	0	479	34.26	1	17	1.22	0	516	36.91	0	961
0.22	0	16	1.16	0	16	1.16	0	0	0.00	0	247	17.92	0	45	3.27	0	327	23.73	0	533
0.06	0	5	0.28	0	16	0.89	0	0	0.00	0	282	15.67	0	53	2.94	0	357	19.83	0	620
0.71	0	0	0.00	0	8	0.71	0	0	0.00	0	46	4.09	0	16	1.42	0	78	6.93	0	95
4.53	0	30	1.79	0	27	1.61	0	1	0.06	0	311	18.55	0	86	5.13	0	531	31.66	0	485
7.93	0	22	1.73	0	0	0.00	0	1	0.08	0	218	17.11	0	70	5.49	0	412	32.34	0	389
2.46	0	24	1.64	0	7	0.48	0	0	0.00	0	105	7.18	0	75	5.13	0	247	16.89	0	178
1.43	0	41	1.72	0	22	0.93	0	0	0.00	0	520	21.87	0	82	3.45	0	699	29.39	0	812
2.64	0	35	1.30	0	19	0.71	0	0	0.00	0	525	19.52	0	141	5.24	0	791	29.42	0	814
1.70	0	15	1.22	0	9	0.73	0	0	0.00	0	203	16.46	0	41	3.33	0	289	23.44	0	306
1.83	0	36	1.24	0	21	0.72	0	1	0.03	0	295	10.18	0	121	4.18	0	527	18.19	0	438
0.32	0	23	1.45	0	13	0.82	0	2	0.13	0	88	5.55	0	44	2.78	0	175	11.04	0	208
1.95	0	13	1.01	0	12	0.94	0	0	0.00	0	307	23.93	1	17	1.33	0	374	29.15	0	457
2.33	0	19	1.34	0	31	2.18	0	2	0.14	0	75	5.29	0	30	2.11	0	190	13.39	0	239
2.10	0	9	0.63	0	14	0.98	0	1	0.07	0	303	21.23	0	53	3.71	0	410	28.73	0	484
0.41	0	16	1.21	0	25	1.90	0	1	0.08	0	115	8.73	0	36	2.73	0	212	16.10	0	164
0.08	0	26	1.04	0	9	0.36	0	2	0.08	0	187	7.51	0	79	3.17	0	305	12.25	0	395
0.17	0	6	0.35	0	14	0.82	0	1	0.06	0	61	3.55	0	19	1.11	0	104	6.06	0	111
0.00	0	8	0.71	0	19	1.69	0	0	0.00	0	150	13.31	0	19	0	0	196	17.39	0	19

0.32	0	10	0.79	0	12	0.95	0	1	0.08	0	35	2.78	0	20	1.59	0	82	6.51	0	40
0.00	0	15	0.92	0	5	0.31	0	1	0.06	0	11	0.68	0	17	1.05	0	49	3.02	0	23
0.00	0	8	1.07	0	4	0.54	0	0	0.00	0	16	2.14	0	17	2.28	0	45	6.02	0	47
0.41	0	7	0.48	0	16	1.09	0	3	0.21	0	84	5.74	0	33	2.26	0	149	10.18	0	149
1.27	0	11	1.27	0	1	0.12	0	15	1.74	0	140	16.20	0	14	1.62	0	192	22.22	0	215
0.00	0	19	1.94	0	10	1.02	0	0	0.00	0	12	1.23	0	10	1.02	0	51	5.22	0	34
0.28	0	6	0.56	0	3	0.28	0	0	0.00	0	65	6.11	0	26	2.44	0	103	9.68	0	117
0.38	0	9	0.49	0	3	0.16	0	4	0.22	0	153	8.38	0	49	2.68	0	225	12.33	0	251
0.48	0	19	1.14	0	7	0.42	0	0	0.00	0	728	43.57	1	39	2.33	0	801	47.94	1	892
0.00	0	3	0.34	0	3	0.34	0	0	0.00	0	65	7.27	0	12	1.34	0	83	9.28	0	154
0.13	0	6	0.81	0	2	0.27	0	0	0.00	0	44	5.91	0	8	1.07	0	61	8.19	0	105
2.14	0	28	2.99	0	8	0.86	0	3	0.32	0	365	39.04	1	69	7.38	0	493	52.73	1	514
2.65	0	185	9.80	0	20	1.06	0	2	0.11	0	590	31.27	1	74	3.92	0	921	48.81	1	895
2.66	0	62	2.36	0	21	0.80	0	1	0.04	0	960	36.53	1	141	5.37	0	1255	47.75	1	1386
1.19	0	38	2.84	0	5	0.37	0	0	0.00	0	663	49.51	1	82	6.12	0	804	60.04	1	908
3.06	0	31	2.20	0	28	1.99	0	0	0.00	0	732	52.03	1	38	2.70	0	872	61.98	1	926
1.41	0	33	1.50	0	25	1.14	0	2	0.09	0	294	13.36	0	67	3.05	0	452	20.55	0	509
0.94	0	24	1.41	0	12	0.70	0	7	0.41	0	275	16.13	0	46	2.70	0	380	22.29	0	428
1.21	0	17	1.72	0	8	0.81	0	5	0.51	0	197	19.90	0	34	3.43	0	273	27.58	0	398
1.50	0	20	1.88	0	12	1.13	0	1	0.09	0	83	7.79	0	33	3.10	0	165	15.49	0	150
1.97	0	18	1.22	0	26	1.77	0	1	0.07	0	70	4.75	0	32	2.17	0	176	11.95	0	170
1.55	0	13	0.88	0	21	1.42	0	0	0.00	0	18	1.21	0	11	0.74	0	86	5.80	0	73
0.84	0	51	3.88	0	1	0.08	0	3	0.23	0	520	39.54	1	67	5.10	0	653	49.66	1	885
1.47	0	64	2.76	0	12	0.52	0	6	0.26	0	1000	43.12	1	164	7.07	0	1280	55.20	1	1594
1.65	0	58	2.03	0	19	0.67	0	1	0.04	0	1182	41.46	1	158	5.54	0	1465	51.39	1	1721
2.34	0	21	1.97	0	13	1.22	0	2	0.19	0	110	10.31	0	42	3.94	0	213	19.96	0	194
1.58	0	34	2.98	0	16	1.40	0	0	0.00	0	135	11.83	0	40	3.51	0	243	21.30	0	211
2.14	0	42	1.50	0	26	0.93	0	15	0.54	0	638	22.77	0	133	4.75	0	914	32.62	0	959
1.61	0	33	1.97	0	34	2.03	0	4	0.24	0	317	18.94	0	64	3.82	0	479	28.61	0	506
0.49	0	15	0.92	0	8	0.49	0	1	0.06	0	53	3.25	0	32	1.96	0	117	7.17	0	121
0.87	0	6	0.58	0	7	0.68	0	2	0.19	0	56	5.40	0	12	1.16	0	92	8.87	0	97
0.26	0	7	0.90	0	11	1.42	0	0	0.00	0	19	2.45	0	9	1.16	0	48	6.18	0	23
1.27	0	38	2.30	0	35	2.12	0	7	0.42	0	128	7.74	0	33	2.00	0	262	15.84	0	284
2.40	0	16	1.48	0	6	0.55	0	2	0.18	0	47	4.34	0	37	3.42	0	134	12.37	0	114
1.43	0	13	2.06	0	14	2.22	0	0	0.00	0	17	2.69	0	26	4.12	0	79	12.52	0	45
1.73	0	9	1.11	0	8	0.99	0	0	0.00	0	61	7.54	0	23	2.84	0	115	14.22	0	94
1.61	0	30	1.78	0	11	0.65	0	1	0.06	0	216	12.85	0	75	4.46	0	360	21.42	0	453
1.04	0	37	1.33	0	63	2.27	0	0	0.00	0	134	4.82	0	56	2.01	0	319	11.47	0	268
0.21	0	3	0.32	0	8	0.85	0	1	0.11	0	46	4.90	0	24	2.56	0	84	8.95	0	101
1.78	0	26	1.85	0	11	0.78	0	0	0.00	0	306	21.76	0	66	4.69	0	434	30.87	0	551
1.12	0	39	2.73	0	18	1.26	0	0	0.00	0	257	17.98	0	65	4.55	0	395	27.64	0	408
1.65	0	42	2.16	0	38	1.96	0	0	0.00	0	420	21.63	0	73	3.76	0	605	31.15	0	585
3.50	0	43	3.86	0	14	1.26	0	10	0.90	0	188	16.89	0	37	3.32	0	331	29.74	0	275
2.68	0	31	1.77	0	12	0.68	0	1	0.06	0	352	20.05	0	95	5.41	0	538	30.64	0	502
1.50	0	24	1.71	0	27	1.93	0	3	0.21	0	332	23.68	0	71	5.06	0	478	34.09	0	541
0.33	0	17	1.87	0	7	0.77	0	0	0.00	0	136	14.93	0	34	3.73	0	197	21.62	0	199
0.58	0	19	1.22	0	9	0.58	0	1	0.06	0	360	23.20	0	66	4.25	0	464	29.90	0	507
0.69	0	14	1.21	0	1	0.09	0	2	0.17	0	216	18.60	0	59	5.08	0	300	25.84	0	335
0.24	0	11	1.31	0	5	0.59	0	1	0.12	0	178	21.14	0	26	3.09	0	223	26.48	0	225
0.15	0	67	5.15	0	11	0.85	0	1	0.08	0	259	19.92	0	64	4.92	0	404	31.08	0	411
2.72	0	68	2.20	0	17	0.55	0	3	0.10	0	1569	50.83	1	180	5.83	0	1921	62.23	1	2272
3.11	0	49	2.38	0	3	0.15	0	8	0.39	0	898	43.59	1	122	5.92	0	1144	55.53	1	1281
11.50	0	23	1.93	0	7	0.59	0	0	0.00	0	732	61.46	1	76	6.38	0	975	81.86	1	893

0.48	0	9	0.61	0	6	0.41	0	2	0.14	0	87	5.91	0	63	4.28	0	174	11.81	0	163
1.46	0	14	1.46	0	2	0.21	0	1	0.10	0	116	12.10	0	27	2.82	0	174	18.14	0	164
0.61	0	21	1.43	0	5	0.34	0	0	0.00	0	233	15.85	0	36	2.45	0	304	20.68	0	329
0.74	0	12	1.49	0	2	0.25	0	0	0.00	0	244	30.24	1	21	2.60	0	285	35.32	0	271
0.35	0	44	3.10	0	3	0.21	0	0	0.00	0	287	20.21	0	32	2.25	0	371	26.13	0	399
0.33	0	30	2.44	0	12	0.98	0	2	0.16	0	69	5.62	0	42	3.42	0	159	12.96	0	124
1.52	0	0	0.00	0	3	4.55	0	0	0.00	0	0	0.00	0	0	0.00	0	4	6.06	0	8
0.84	0	22	1.42	0	9	0.58	0	0	0.00	0	171	11.00	0	31	1.99	0	246	15.83	0	318
0.47	0	6	0.36	0	0	0.00	0	4	0.24	0	437	25.92	1	34	2.02	0	489	29.00	0	759
1.08	0	26	1.41	0	13	0.70	0	0	0.00	0	688	37.31	1	78	4.23	0	825	44.74	1	1211
0.08	0	11	0.89	0	1	0.08	0	0	0.00	0	400	32.23	1	40	3.22	0	453	36.50	0	696
0.21	0	13	0.90	0	6	0.42	0	0	0.00	0	320	22.27	0	22	1.53	0	364	25.33	0	515
0.55	0	9	0.98	0	2	0.22	0	1	0.11	0	199	21.70	0	10	1.09	0	226	24.65	0	317
0.19	0	5	0.23	0	10	0.47	0	0	0.00	0	940	43.80	1	74	3.45	0	1033	48.14	1	1535
0.75	0	5	0.54	0	1	0.11	0	2	0.22	0	503	54.09	1	20	2.15	0	538	57.85	1	772
0.65	0	32	1.15	0	24	0.86	0	6	0.22	0	1434	51.66	1	92	3.31	0	1606	57.85	1	2007
0.67	0	28	1.25	0	40	1.79	0	1	0.04	0	694	31.02	1	59	2.64	0	837	37.42	0	1134
0.64	0	17	0.64	0	4	0.15	0	1	0.04	0	1515	57.26	1	102	3.85	0	1656	62.59	1	2189
0.22	0	2	0.22	0	4	0.43	0	0	0.00	0	432	46.55	1	9	0.97	0	449	48.38	1	693
0.06	0	22	1.23	0	7	0.39	0	1	0.06	0	1020	57.02	1	66	3.69	0	1117	62.44	1	1408
1.02	0	20	1.58	0	13	1.02	0	6	0.47	0	763	60.13	1	39	3.07	0	854	67.30	1	1031
0.67	0	9	0.76	0	1	0.08	0	0	0.00	0	810	68.24	1	29	2.44	0	857	72.20	1	1004
0.29	0	15	1.09	0	19	1.38	0	0	0.00	0	538	39.16	1	53	3.86	0	629	45.78	1	782
0.22	0	8	0.36	0	16	0.71	0	1	0.04	0	1258	56.04	1	49	2.18	0	1337	59.55	1	1613
0.53	0	13	0.43	0	18	0.60	0	4	0.13	0	1482	49.20	1	99	3.29	0	1632	54.18	1	2088
0.48	0	3	0.36	0	17	2.04	0	0	0.00	0	172	20.67	0	20	2.40	0	216	25.96	0	234
0.05	0	22	1.03	0	2	0.09	0	0	0.00	0	1446	67.66	1	42	1.97	0	1513	70.80	1	1667
0.00	0	1	0.09	0	0	0.00	0	0	0.00	0	833	74.91	1	27	2.43	0	861	77.43	1	909
0.18	0	14	0.86	0	3	0.18	0	0	0.00	0	716	43.98	1	48	2.95	0	784	48.16	1	911
0.00	0	27	2.73	0	3	0.30	0	0	0.00	0	386	38.99	1	35	3.54	0	451	45.56	1	476
0.13	0	20	0.88	0	14	0.61	0	3	0.13	0	704	30.81	1	70	3.06	0	814	35.62	0	956
0.17	0	35	2.93	0	11	0.92	0	1	0.08	0	163	13.64	0	40	3.35	0	252	21.09	0	278
0.98	0	36	2.08	0	14	0.81	0	7	0.41	0	328	18.99	0	81	4.69	0	483	27.97	0	438
0.94	0	23	2.39	0	1	0.10	0	0	0.00	0	419	43.56	1	95	9.88	0	547	56.86	1	663
0.23	0	30	2.33	0	10	0.78	0	0	0.00	0	166	12.89	0	50	3.88	0	259	20.11	0	308
0.70	0	12	1.68	0	0	0.00	0	0	0.00	0	126	17.67	0	28	3.93	0	171	23.98	0	214
0.26	0	21	2.77	0	10	1.32	0	0	0.00	0	172	22.69	0	26	3.43	0	231	30.47	0	246
0.48	0	414	16.71	0	2	0.08	0	2	0.08	0	1250	50.46	1	75	3.03	0	1755	70.85	1	1720
0.79	0	134	5.56	0	6	0.25	0	1	0.04	0	1589	65.91	1	77	3.19	0	1826	75.74	1	2156
0.46	0	261	10.86	0	13	0.54	0	0	0.00	0	1238	51.50	1	89	3.70	0	1612	67.05	1	1690
0.44	0	219	9.72	0	14	0.62	0	0	0.00	0	1045	46.38	1	110	4.88	0	1398	62.05	1	1388
0.00	0	442	32.43	1	32	2.35	0	4	0.29	0	336	24.65	1	114	8.36	0	928	68.09	1	499
0.25	0	158	26.51	1	3	0.50	0	0	0.00	0	119	19.97	0	39	6.54	0	319	53.52	1	188
0.43	0	277	11.85	0	47	2.01	0	0	0.00	0	1275	54.56	1	121	5.18	0	1730	74.03	1	1684
0.90	0	392	27.15	1	25	1.73	0	0	0.00	0	508	35.18	1	68	4.71	0	1006	69.67	1	659
0.48	0	428	68.81	1	10	1.61	0	0	0.00	0	212	25.27	1	18	2.15	0	537	64.00	1	283
0.43	0	424	18.14	0	36	1.54	0	0	0.00	0	1163	49.76	1	111	4.75	0	1744	74.63	1	1590
0.25	0	113	9.45	0	16	1.34	0	0	0.00	0	733	61.29	1	78	6.52	0	943	78.85	1	936
0.43	0	306	22.43	1	116	8.50	0	0	0.00	0	419	30.72	1	88	6.45	0	934	68.48	1	587
0.33	0	157	17.25	0	23	2.53	0	1	0.11	0	286	31.43	1	62	6.81	0	532	58.46	1	375
0.13	0	248	31.55	1	4	0.51	0	0	0.00	0	139	17.68	0	74	9.41	0	466	59.29	1	238

0.00	0	143	16.03	0	9	1.01	0	0	0.00	0	86	9.64	0	22	2.47	0	260	29.15	0	140
0.61	0	20	1.01	0	4	0.20	0	2	0.10	0	111	5.60	0	45	2.27	0	194	9.78	0	190
0.44	0	19	1.39	0	6	0.44	0	0	0.00	0	84	6.16	0	46	3.37	0	161	11.81	0	167
0.27	0	15	0.80	0	22	1.17	0	0	0.00	0	90	4.79	0	65	3.46	0	197	10.50	0	156
0.23	0	31	0.90	0	15	0.44	0	8	0.23	0	119	3.46	0	106	3.08	0	287	8.34	0	295
1.20	0	19	0.76	0	15	0.60	0	3	0.12	0	97	3.88	0	58	2.32	0	222	8.88	0	217
0.59	0	19	1.25	0	10	0.66	0	1	0.07	0	69	4.52	0	29	1.90	0	137	8.98	0	182
0.98	0	15	0.77	0	19	0.98	0	3	0.15	0	114	5.88	0	40	2.06	0	210	10.82	0	176
0.33	0	41	1.71	0	15	0.63	0	1	0.04	0	195	8.13	0	70	2.92	0	330	13.75	0	303
	0				11			0			94		0			0		87		

Table 2
Hanford EJ Summary

Block Groups within 50 miles of Hanford with minority or low-income populations meeting NRC criteria

County Name	State Name	Number of Block Groups	American Indian or Alaskan Native			Native Hawaiian or Other Pacific Islander	Some Other Race	Multi-Racial	Aggregate	Hispanic	Low-Income Households
			Black	Asian	Other						
Morrow	Oregon	6	0	0	0	0	2	0	2	3	0
Umatilla	Oregon	19	0	0	0	0	2	0	2	9	0
Adams	Washington	14	0	0	0	0	7	0	6	9	0
Benton	Washington	120	0	0	0	0	7	0	3	16	5
Franklin	Washington	42	0	0	0	0	18	0	18	23	7
Grant	Washington	33	0	0	0	0	7	0	4	16	1
Kittitas	Washington	4	0	0	0	0	0	0	0	0	0
Klickitat	Washington	1	0	0	0	0	0	0	0	0	0
Walla Walla	Washington	6	0	0	0	0	1	0	1	1	0
Yakima	Washington	114	0	11	0	0	50	0	51	70	24
		359	0	11	0	0	94	0	87	147	37